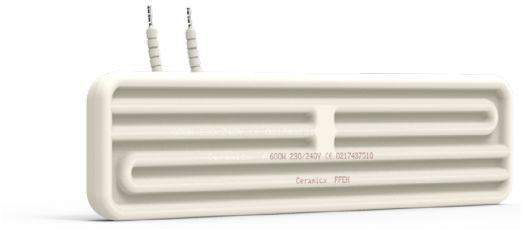
INFRARED ELEMENTS IN CERAMIC FFEH - FULL FLAT ELEMENT HOLLOW

Properties

The standard range of ceramic infrared elements in stock are used in a wide range of industrial and engineering applications such as thermoforming, packaging, paint curing, printing, drying, gluing, sterilisation, roasting etc. They are also very effectively in infrared outdoor heaters and saunas.

Most plastics and many other materials absorb infrared best in wavelength 2-10 µm, which makes the ceramic heater the most popular radiant emitter on the market.

The hollow design has the advantage of having a shorter heat up time combined with increased energy efficiency. There is a significant reduction in rear heat loss and increased radiant output from the front of the element.



Technical specification

Material	Ceramic hollow body in white glace colour with an embedded high temperature resistance wire
Heater voltage	230 V
Operating temperature	Max permissible 750ºC
Useful wave-length range	2 to 10 µm (microns) long wavelength
Dimensions	245x60x37.5 mm
Average weight	250 g
Electric connection	120 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100 mm to 200 mm Mounting slot size oval 15x42 mm Steel wave spring and clip set included
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE

Standard assortment

Model FFEH	Power W	Mean surface temperature ºC	Max power density kW/m²	Article no
FFEH 250	250	390	15	3054590250
FFEH 300	300	419	19	3054590300
FFEH 400	400	497	24	3054590400
FFEH 600	600	602	36	3054590600
FFEH 800	800	710	48	3054590800

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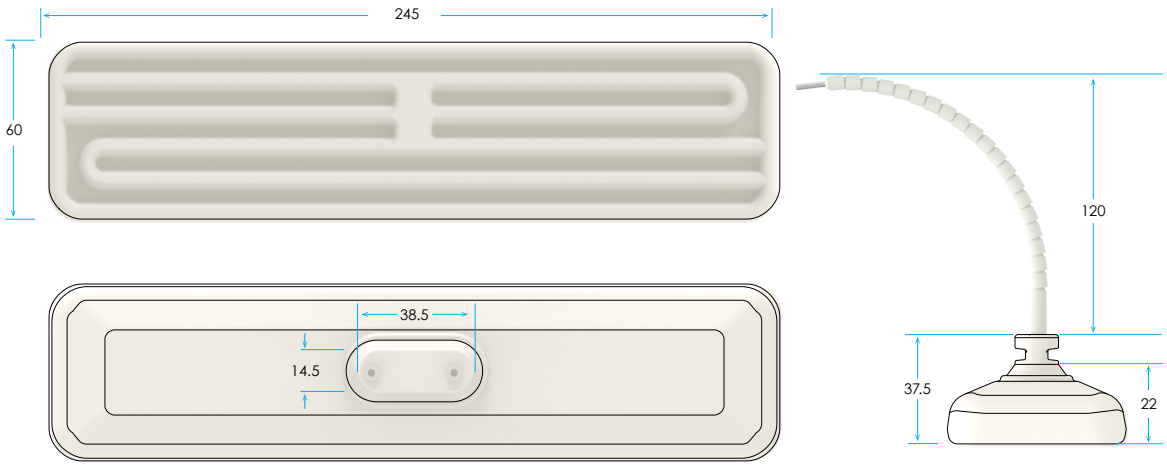
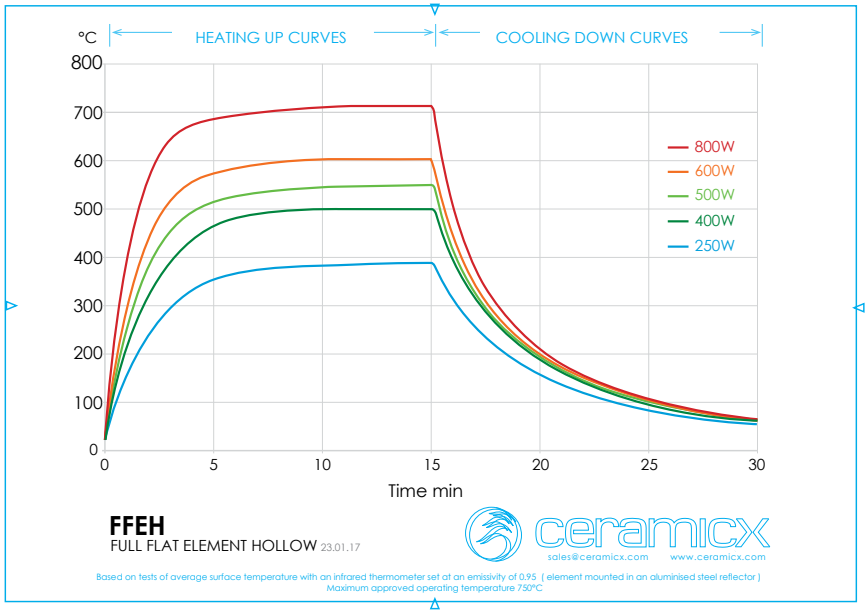


Heat up - Cool down curves



Options

Projectors type PAS, different options
Reflectors of aluminised steel type RAS, different options
High temperature NPC cable and ceramic terminal blocks, different options
Mounting bracket article no 3009010301
Stainless steel bus bars 8x2x1000 mm article no 3005020305
Other voltages, wattages, lead lengths and ceramic glaze colours available on request

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